10 30 AAAGCACAGACTTCAGGTCTCCAAGGAGGATGGGTGGCTGCAGCACAAGAGGCAAGCGGC MGGCSTRGKRP 70 90 110 SALSLLLLLLSGIAA 130 150 CCCTGGAGAGCGGTCCCACCGGCCAGGACAGTGTGCAGGATGCCACAGGCGGGAGGAGGA L E S G P T G Q D S V Q D A T G G R R T 190 210 CCGGCCTTCTGACTTCCTTGCCTGGTGGCATGAGTGGGCTTCCCAAGACAGCTCCAGCA G L L T F L A W W H E W A S Q D S S S T 250 270 CCGCTTTCGAAGGGGGTACCCCGGAGCTGTCTAAGCGGCAGGAAAGACCACCCCTCCAGC A F E G G T P E L S K R Q E R P P L Q Q 310 330 AGCCCCCACACCGGGATAAAAAGCCCTGCAAGAACTTCTTCTGGAAAACCTTCTCCTCGT PPHRDKK PCKNFFWKTFSSC 370 390 GCAAGTAGCCCGAGCCTGACCGGAGCCTGACCGGCCACCCTGTGAATGCAGCCGTGGCCT 430 GAATAAAGAGTGTCAAGT

FIGURE 1

GCA	GAGC	GCT	CAGCA	CGTC	C GA								ACA (Thr (51
			TCA Ser												↑	99
			CCC Pro													147
			GAG Glu 45						Leu							195
			GCT Ala													243
			CTG Leu					•								291
			GAT								Phe					339
			AAG Lvs	-	CCC	CAC	CCT	GGG	CAT	AGC	ACC	CTG	GCC	ACC		387
TGA	GAT	GCC	AAC	GAG	ACC	TGA	ATA	AAG		GTC	AAT	CAA	С			427

FIGURE 3

MOUSE CST RAT CT HUMAN CST		.AAAGCACAG	ACTTCAGGTC	TCCGAGGATG TCCAAGGAGG GCCAGGAAGG	ATGGGTGGCT
MOUSE CST RAT CST HUMAN CST	GCAGCACAAG	AGGCAAGCGG	CCGTCAG	ACAAGATGCC	CCCTC
MOUSE CST RAT CST HUMAN CST	AGTCTGCTGC	TGCTGCTGCT	<u>G</u> CTCTCGGGG	GTCGCAGCCT ATCGCAGCCT ACGGCCACCG	CTGCCCTCCC
MOUSE CST RAT CST HUMAN CST	CCTGGAGAGC	GGTCCCACCG	GCCAGGACAG	TGTG TGTG CGAGCATATG	CAGGATGCCA
MOUSE CST RAT CST HUMAN CST	CAGGCGGGAG	GAGGAGCGGC GAGGACCGGC GAAAAGCAGC	CTTCTGACTT	TCCTTGCCTG TCCTTGCCTG TCCTCGCTTG	GTGGCATGAG
MOUSE CST RAT CST HUMAN CST	TGGGCTTCCC	AAGACAGCTC	CAGCACCGCT	GTCGGAGGGG TTCGAAGGGG ATAGGAGAGG	GTACCCCGGA
MOUSE CST RAT CST HUMAN CST	GCTGTCTAAG	CGGCAGGAAA	GACCACCCCT	CCAACAGCCC CCAGCAGCCC CCAGCAATCC	CCACACCGGG
MOUSE CST RAT CST HUMAN CST	ATAAAAAGCC	CTGCAAGAAC	TTCTTCTGGA	AAACCTTCTC AAACCTTCTC AGACCTTCTC	CTCGTGCAAG
MOUSE CST RAT CST HUMAN CST	TAGCCCGAGC	CTGACCGGAG	CCTGACCGGC	ACCCTGTGAG CACCCTGTGA .TCACGCAAG	ATGCAGCCGT
MOUSE CST RAT CST HUMAN CST	GGCCTGAATA	AAGAGTGTCA	AGT	ATCTTTCCTC	
MOUSE CST RAT CST HUMAN CST				TTCCAATAAT	
MOUSE CST RAT CST HUMAN CST				GTGAAGATCT	
MOUSE CST RAT CST HUMAN CST				AGTGCGGGCA	
MOUSE CST RAT CST HUMAN CST				TCTGTCTTTG	
MOUSE CST RAT CST HUMAN CST	AAATAGCTAA				

RAT CST MOUSE CST HUMAN CST Consensus	MMGGRGTGGK	WPSAFGLLLL MPLSPGLLLL	WGVAASA LLSGATATAA	LPLESGPTGQ LPLESGPTGQ LPLEGGPTGR LPLE-GPTG-	DSVQEATE DSEHMQEAAG
RAT CST MOUSE CST HUMAN CST Consensus	G.RSGLLTFL IRKSSLLTFL	AWWHEWASQA AWWFEWTSQA	SSSTPVGGGT SAGPLIGEEA	PELSKRQERP PGLSKSQERP REVARRQEGA	PPQQPPHLDK PPQQSARRDR
RAT CST MOUSE CST HUMAN CST Consensus	101 KPCKNFFWKT KPCKNFFWKT MPCRNFFWKT -PC-NFFWKT	FSSCK FSSCK FSSCK			

FIGURE 3b

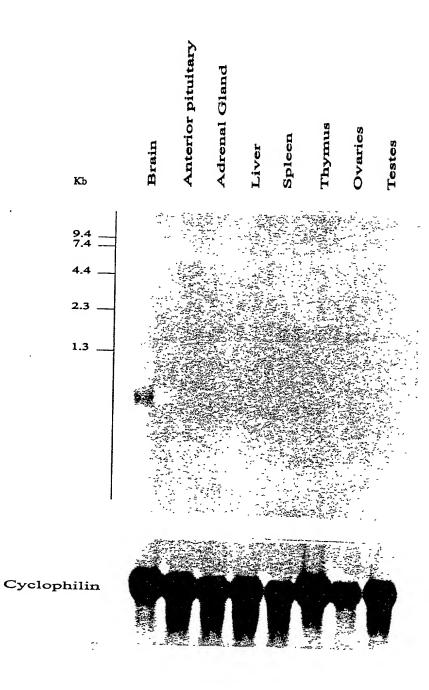
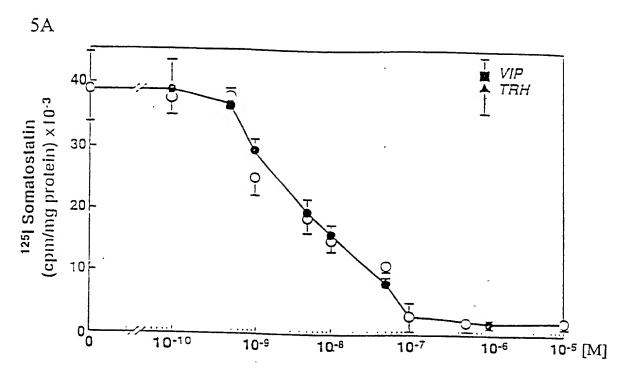


FIGURE 4



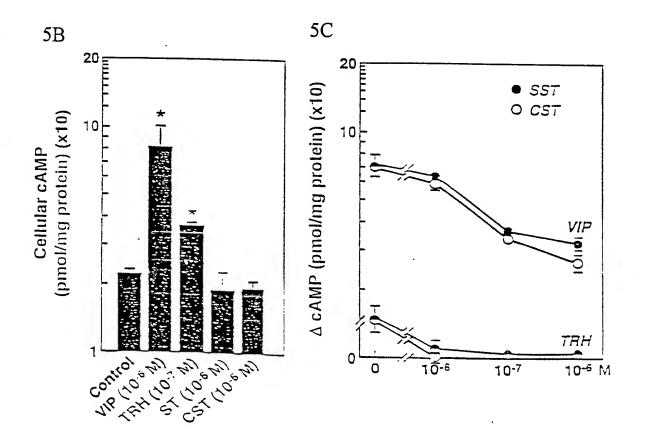
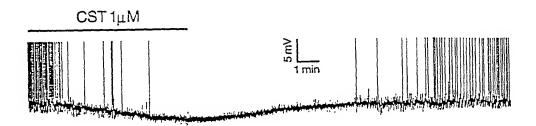


FIGURE 5

6A



Control Wash

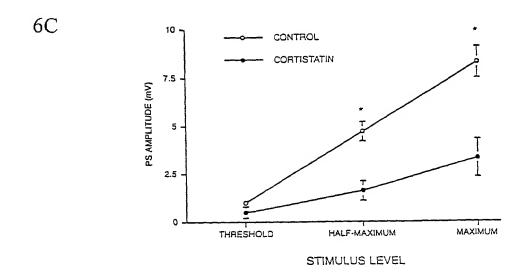


FIGURE 6

